

1/5

ATTCCGGCACTGAGGAGTTAATACACAGCTGCAAGATATACCGAATACAAGAAC
CTGGGTTTGCCAAAATGATATCAGCTGTCGTGTGGCTCATGGTCCTGCTGATC
ATGGTGCCGAACATGGTGATTCCCATCAAGGACATCAAAGAAAAGTCAAATGT
AGGTTGCATGGAGTTTAAAAAGGAGTTTGGAAGAACTGGCATTGTGCTAACAA
ACTTCATCTGTGTGGCAATATTTTTAAATTTCTCAGTCATCATTTTGATATCC
AACTTCCTTGCAATCAGACAACTCTATAGAAATAGAGACAACACAAACTATCC
AAGTGTGAAATCAGCTCTGCTCCACATTCTCTTGGTGACAGCTAGTTACATCA
TATGCTTTGTTCCCTACCACGCTGTCAGGATCCCATACACCCTCAGCCAGACA
GAGGTCATATCTGATTGCTCAACTAGGATCGCACTCTTCAAAGCCAAAGAGGC
CACACTGCTGCTGGCGGTGTCTAATTTGTGTTTTGATCCAATCCTGTACTATC
ATCTGTCAAAAGCCTTTCGACTAAAGGTCACCGAGACTTTCGCCTCACCTAAA
AAGAGCAAGCCTCTGGAAGAAAGATTGAGAAGTGAGAATGATGTGTAAAATGC
AGGCTTTGCACGTTAGTCCTTCTTCCTGACTGGACCATAAAGCTGGTCACAGT
TTTC (SEQ ID NO:1)

FIGURE 1

2/5

Construct

Gene: 17 GI Number(s): 1738456
 Gene Family: GPCR 1749042
 Gene Subfamily: Orphan GPCR
 Gene Sequence: EST contig, Mouse

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

ATTGCGCACTGAGGAG [TTAATACACAGCTGCAAGATATACCGAATACAAGAACCCTGGGT
 TTGCCAAAATGATATCAGCTGTCGTGTGGCTCATGGTCCTGCTGATCATGGTGCCGAACA
 TGGTGA] TTCCCATCAAGGACATCAAAGAAAAGTCAAATGTAGGTTGCATGGAGTTTAAA
AAGGAGTTTGGGAAGAACTGGCATTGCTAAACAACTTCATCTGTGTGGCAATATTTTA
AATTTCTCAGTCATCATTTTGATATCCAACCTTCCTTGCAATCAGACAACCTCTATAGAAAT
AGAGACAACACAAACTATCCAAGTGTGAAATCAGCTCTGCTCCACATTCTCTTGGTGACA
GCTAGTTACATCATATGCTTTGTTCCCTACCACGCTGTCAGGATCCCATACACCCTCAGC
CAGACAGAGGTCATATCTGATTGCTCAACTAGGATCGCACTCTTCAAAGCCAAAGAGGCC
ACACTGCTGCTGGCGGTGCTAATTTGTGTTTGGATCCAATCCTGTACTATCATCTGTCA
AAAGCCTTTGCGACTAAAGGTCACCGAGACTTTCGCCTCACCTAAAAAGAGCAAGCCTCTG
CAAGAAAGATTGAGAAGTGAGAATGATGTGTAATAATGCAGGCTTTGCACGTTAGTCCTTC
TTCTCTG [ACTGGACCATAAAGCTGGTCACAGTTTTC]

Gene Sequence 126 bp Sequence Deleted 664 bp
 Structure *

Size of EST contig: 693 bp



FIGURE 2A

3/5

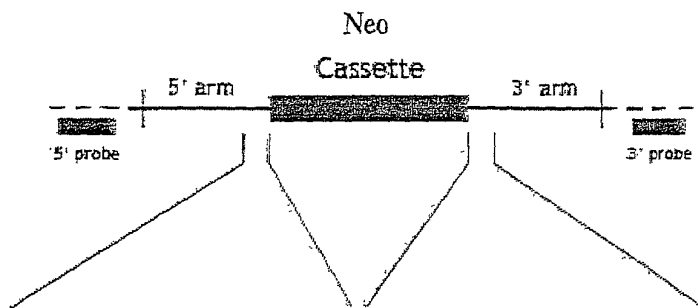
Targeting Vector* (genomic sequence)

Construct Number: 87

Arm Length:

5': 8 kb

3': 1.6 kb



———— Targeting Vector
 - - - - Endogenous Locus

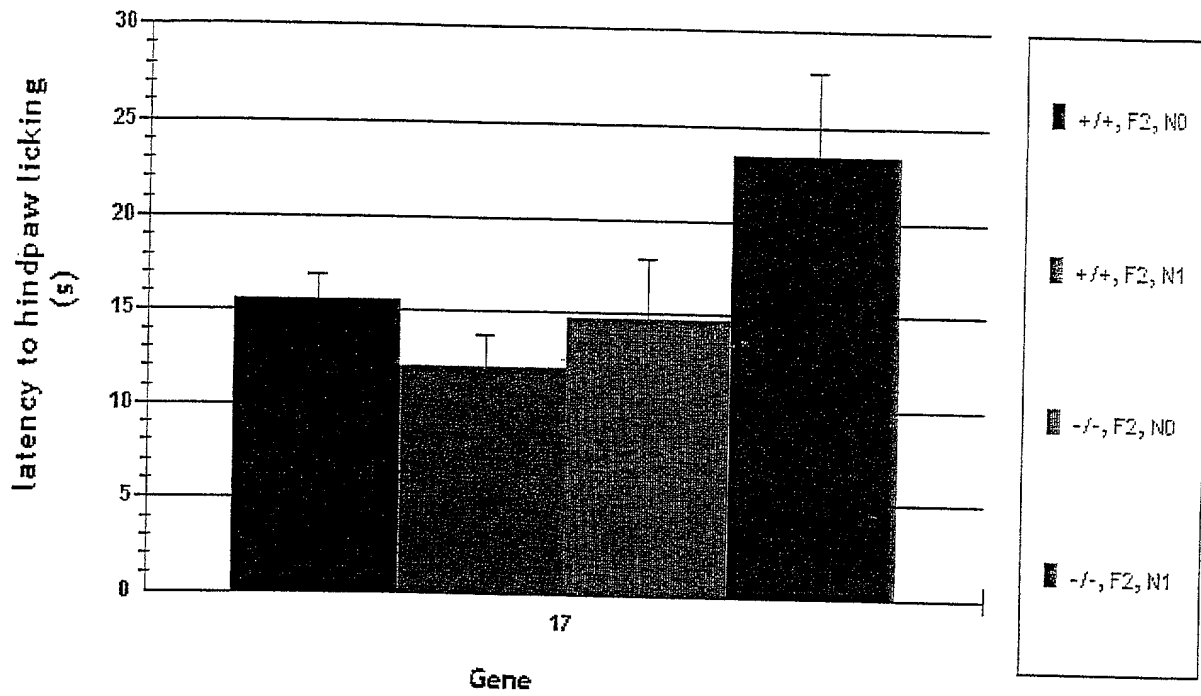
* Not drawn to scale

5' > CCACTGCCAAGTGACAGCCTG	5' > ACTGGACCATAAAGCTGGTCA
CCTCATCTACATCAATATGTA	CAGTTTTCAAAAATAAAGAAGAT
CTT	GCTGACATAGAAGAAGATGCTTAG
ATCTATTATCTTCTTAGCCTTTGT	GAATAAGAGCCACCAATAGCTAGC
CAGCATCGATCGCTGTCTTCAGTT	AAACGGGACTGGTTCATGCAGAAA
AATACACAGCTGCAAGATATACCG	GTCCCTTCTTCAATCCAAGCCAAC
AATACAAGAACCTGGGTTTGCCAA	CCTGCACTCTCACAGATGCTGACA
AATGATATCAGCTGTCGTGTGGCT	TTCTTTACCTAACAAAGCACATTG
CATGGTCCTGCTGATCATGGTGTC	AACCAAGGTCA < 3'
GAACATGGTGA < 3'	(SEQ ID NO:3)
(SEQ ID NO:2)	

FIGURE 2B

4/5

hot plate - latency to hindpaw licking



© Deltagen, Inc.

FIGURE 3

101200-14528860

Phenotypic Data Summary - Open Field

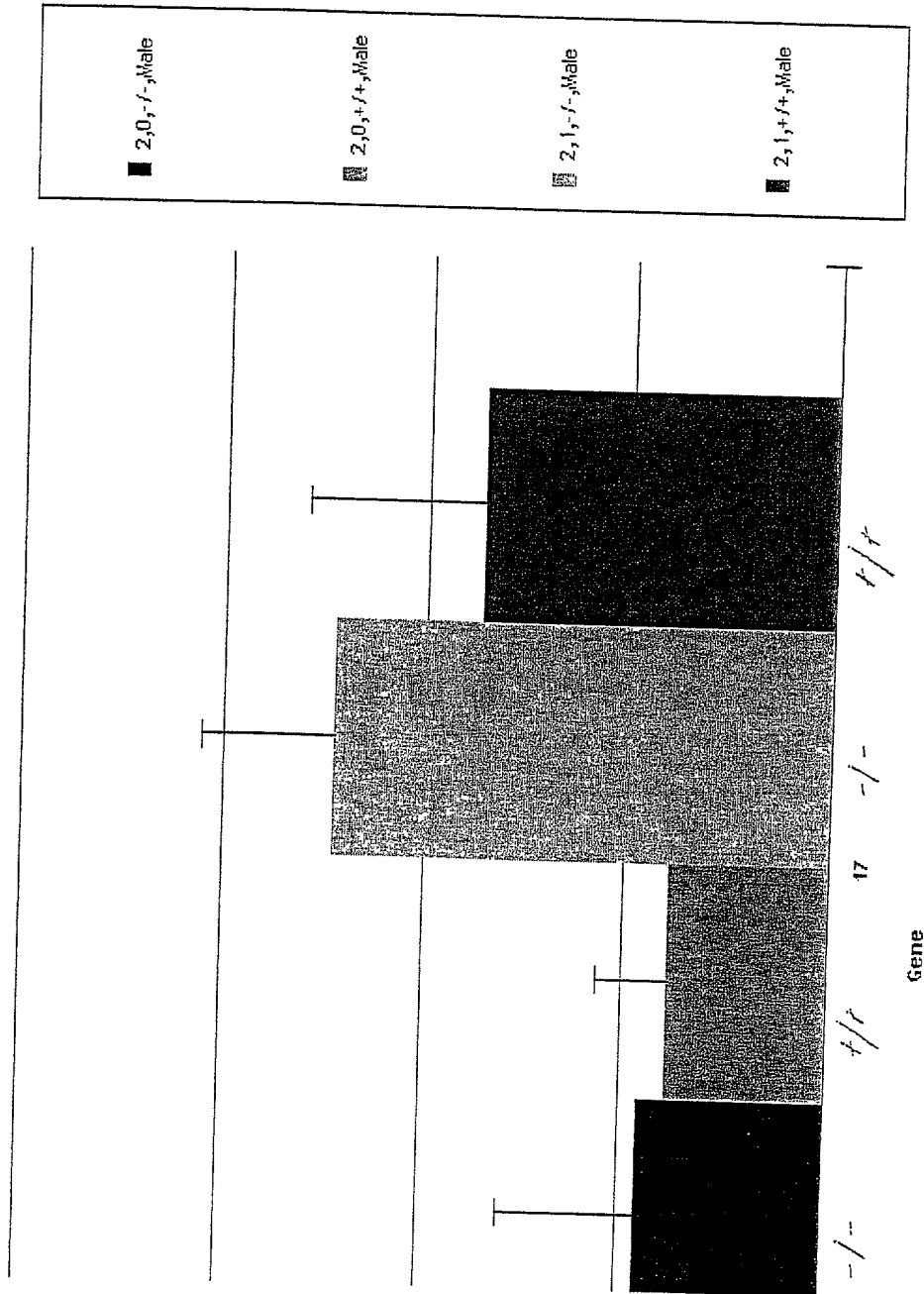


FIGURE 4